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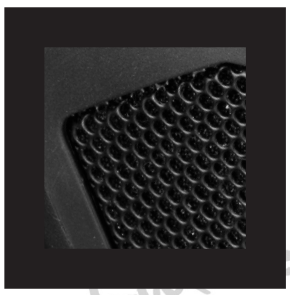

Optional Custom Colours trim available on Request at additional cost

THE Di|5a USER MANUAL

TANNOY®

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TANNOY®

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Introduction

Designed for a wide variety of sound reinforcement applications the Tannoy Di5a is an ultra compact active loudspeaker system capable of delivering high sound pressure levels with extremely low distortion, resulting in outstanding clarity, definition and detail. A truly universal solution, the Di5a offers outstanding durability and resistance to scuffs and knocks. Available in black or white the Di5a will effectively blend into most backgrounds. Utilisation of the point source loudspeaker allows the Di5a to be mounted on a wall or ceiling in either horizontal or vertical orientations without affecting its performance. A range of hardware options ensures simple and effective installation.

For applications requiring extended low frequency enhancement, a range of Tannoy sub-bass systems are available and can be used in conjunction with the Di5a.

Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. The user is responsible for fixing the hardware to the surface to ensure safe operation. The fixings must support the weight of the product – please consult the manual's specification page for the appropriate weights. Please consult the relevant construction codes in your region for further information on suitable hardware fixing methods.
6. Some regional construction codes require the use of a secondary method of securing loudspeakers to surfaces to provide security of a back-up support. A secondary support line should be attached from the safety loop on the rear of the product to a source point on the wall. Please consult the relevant construction codes in your region.
7. Tannoy will not be held accountable for any damage caused by incorrect installation.
8. Clean only with dry cloth.
9. Do not block any ventilation openings. Install in accordance with instructions.
10. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
11. Only use attachments/accessories specified by the manufacturer.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
13. Only use attachments/accessories specified by the manufacturer.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Unplug this apparatus during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
17. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
18. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
19. The mains plug of the power supply cord shall remain readily operable.
20. Do not expose batteries to excessive heat such as sunshine, fire or the like.
21. This apparatus is a Class 1 device construction and that is shall be connected to a mains socket outlet with a protective earthing connection.

The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage " within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain, liquids, moisture, excessive heat, or naked flame.

WARNING: To prevent injury, this apparatus must be securely attached to the floor / wall / pole in accordance with the installation instructions.

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TANNOY®

Product Identification

YOKE TRIM
Remove the yoke trims on the top and bottom panels to access the yoke bracket fixing point

GRILLE TRIM
Lift the grille trim back using the tab to access the level control.

GRILLE

Fuse
T1AL 250V
Power
On
Off
100-240V~1A
50/60Hz
ATTENTION
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, TOUJOURS REMPLACER PAR UN FUSIBLE DE MÊME TYPE ET DE MÊME CALIBRE.
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE, REPLACE ONLY WITH SAME TYPE OF FUSE AND RATING
BASH®
U.S. Patent # 5,075,634 and 5,010,753 Patent Pending
TANNOY®
Di5a
Signal Out - Ground
Signal Out +
Signal In - Ground
Signal In +
WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
THIS EQUIPMENT MUST BE EARTHED
Unbalanced Input

POWER INPUT SOCKET (IEC TYPE)

POWER ON/ OFF SWITCH

LINE LEVEL AUDIO INPUT/ OUTPUT SOCKET (EURO TYPE)

LINE LEVEL AUDIO INPUT SOCKET (RCA TYPE)

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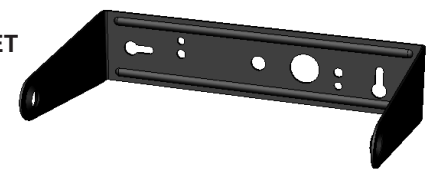
Standard Accessories

GRILLE

GRILLE TRIM

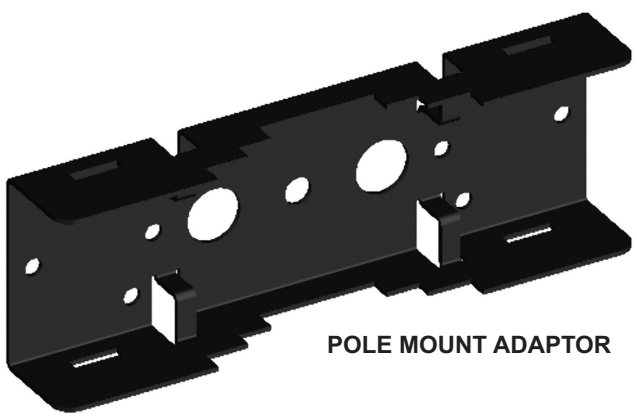
POWER CORD

YOKE BRACKET
(SUPPLIED WITH FIXINGS)



NOTE: The Di5a is supplied with a mains cord appropriate to your country. For UK and European countries, please select the mains cord which suits your mains supply socket.

Optional Accessories



POLE MOUNT ADAPTOR

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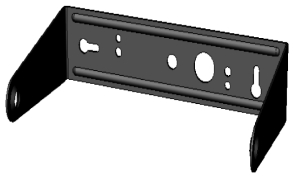
TANNOY®

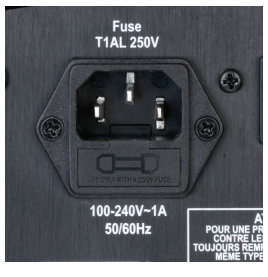
Instruction Guidelines

USING SUPPLIED YOKE BRACKET



1. Fix the yoke bracket to the surface using a suitable fixing method.

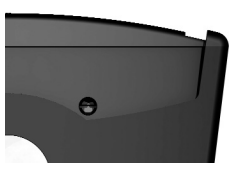
2. Remove the yoke trims from the product to access the bracket fixing points.



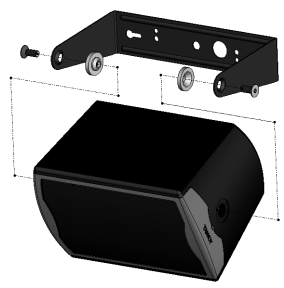
3. Connect the supplied IEC power cord to the Di5a. Note that the Di5a is supplied with a mains cord appropriate to your country. For UK and European countries, please select the mains cord which suits your mains supply socket.

Signal Out -
Ground
Signal Out +
Signal In -
Ground
Signal In +
WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
Unbalanced Input
THIS EQUIPMENT MUST BE EARTH

4. Connect the loudspeaker appropriately using either the RCA or euro-type socket.



5. Adjust the level control underneath the grille trim.



6. Offer the speaker up to the bracket and attach it using a 5mm allen key and supplied fixings.

The buffers that fit between the speaker and bracket should be positioned as shown above. Use the longer hex-screws supplied when mounting the yoke bracket.

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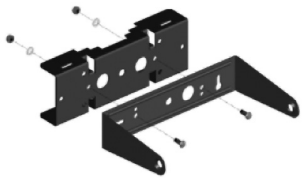
Instruction Guidelines

USING POLE MOUNT ADAPTOR



1. Use the supplied fixings to fix the yoke bracket to the pole bracket adaptor.

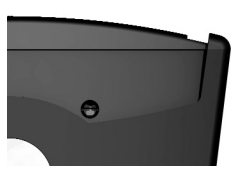
2. Fix the pole mount bracket adaptor to the pole using the strapping provided. The bracket can be mounted in portrait or landscape orientations.

3. Remove the yoke trims from the product to access the bracket fixing points.

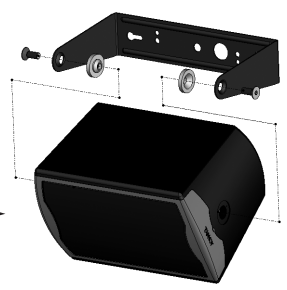
4. Connect the supplied IEC power cord to the Di5a. Note that the Di5a is supplied with a mains cord appropriate to your country. For UK and European countries, please select the mains cord which suits your mains supply socket.

Signal Out -
Ground
Signal Out +
Signal In -
Ground
Signal In +
WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
Unbalanced Input
THIS EQUIPMENT MUST BE EARTH

5. Connect the loudspeaker appropriately using either the RCA or euro-type socket.



6. Adjust the level control underneath the grille trim.



7. Offer the speaker up to the bracket and attach it using a 5mm allen key and supplied fixings. The buffers that fit between the speaker and bracket should be positioned as shown above. Use the longer hex-screws supplied when mounting the yoke bracket.

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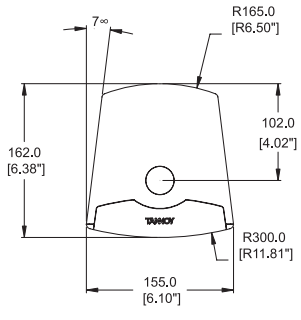
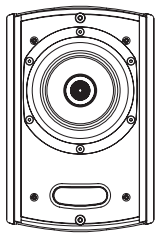
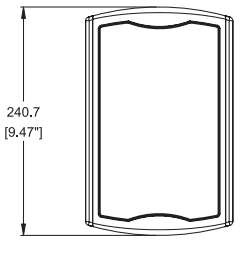
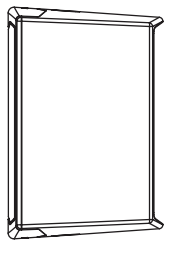
Product Dimensions

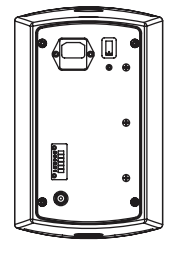
Di5a





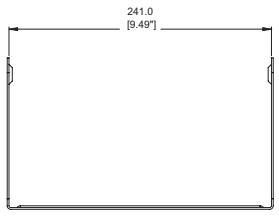


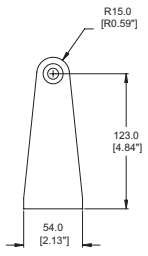


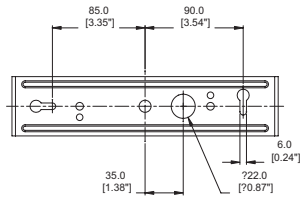


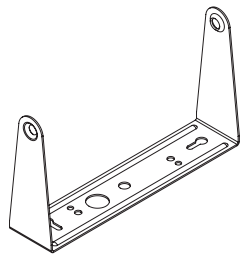
Hardware Dimensions

5" YOKE BRACKET









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Specifications

		Di5a	
SYSTEM			
Frequency Response (-3dB) [1]		100Hz – 25kHz	
Frequency Range (-10dB) [1]		90Hz – 30kHz	
Dispersion Degrees conical -6dB		90	
Low Frequency Driver Mineral loaded polypropylene		1x 110mm (4.50")	
High Frequency Driver ICT™		25mm (0.98")	
Crossover Inductively Coupled ICT™		7kHz	
Directivity Factor (Q)	1kHz to 10kHz	5.3 averaged	
Directivity Index (DI)	1kHz to 10kHz	6.6 averaged	
Rated Maximum SPL [2]	Average	103dB	
	Peak	109dB	
Power Output		30W RMS	
Distortion 10% Full Power		(4.25V) 2nd Harmonic	3rd Harmonic
250Hz		1.33%	0.25%
1kHz		0.62%	0.16%
10kHz		1.43%	0.35%
Distortion 1% Full Power		(1.34V) 2nd Harmonic	3rd Harmonic
250Hz		0.41%	0.10%
1kHz		0.23%	0.07%
10kHz		0.32%	0.18%
Input Sensitivity (for maximum input)		775mV (balanced) 500mV (unbalanced)	
Input Impedance (for maximum input)		11k Ohm (balanced) 7k Ohm (unbalanced)	
Protection Circuitry		Thermal Soft Limiting	
Supply		100 - 240V AC, 50 – 60Hz Fuse T1AL 250V	
Power Consumption		76VA maximum	
CONSTRUCTION			
Enclosure		High impact polystyrene (HIPS)	
Grille		Powder coated steel	
Finish		Textured black or white paint with matching rubber trims Factory fitted custom trim colours available to special order	
Connectors		6 way euro-type input / output connector Unbalanced RCA (phono) input Mains inlet IEC type C13	
Dimensions (H x W x D)		240.7 x 155.0 x 162.0mm 9.47 x 6.10 x 6.38"	
Weight		2.40kg (5.3lbs)	

Notes:
(1) Average over stated bandwidth. Measured at 1 metre on axis in an anechoic chamber
(2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber
A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com
Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice.

TANNOY®

Warranty

No maintenance of the Di loudspeaker is necessary.

All of our products have been produced and tested with care and precision to give first-class service.

All passive components are guaranteed for a period of five years from the date of purchase from an authorised Tannoy dealer subject to the absence or evidence of misuse, overload, or accidental damage.

All active and electronic components are guaranteed for a period of one year from the date of purchase from an authorised Tannoy dealer subject to the absence of, or evidence of, misuse, overload or accidental damage.

If at any time during this warranty period the equipment proves to be defective for any reason other than accident, misuse, neglect, unauthorised modification or fair wear and tear, we will repair any such manufacturing defect or, at our option, replace it without charge for labour, parts or return carriage.

If you suspect a problem with a Tannoy product then, in the first instance, discuss it with your Tannoy dealer. If you require further assistance then we ask that you deal directly with your local Tannoy distributor. If you cannot locate your distributor please contact Customer Services, Tannoy Ltd at the address given below.

Customer Services, Tannoy Ltd., Rosehall Industrial Estate, Coatbridge, Strathclyde ML5 4TF, Scotland

Telephone:	01236 420199	(National)
	+44 1236 420199	(International)
Fax:	01236 428230	(National)
	+44 1236 428230	(International)
E-mail:	enquiries@tannoy.com	

DO NOT SHIP ANY PRODUCT TO TANNOY WITHOUT PREVIOUS AUTHORISATION

Our policy commits us to incorporating improvements to our products through continuous research and development. Please confirm current specifications for critical applications with your supplier.

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Declaration of Conformity

The following apparatus is manufactured in China for Tannoy Ltd of Rosehall Industrial Estate, Coatbridge, Scotland, ML5 4TF and conform(s) to the protection requirements of the European Electromagnetic Compatibility Standards and Directives relevant to Domestic Electrical Equipment. The apparatus is designed and constructed such that electromagnetic disturbances generated do not exceed levels allowing radio and telecommunications equipment and other apparatus to operate as intended, and, the apparatus has an adequate level of intrinsic immunity to electromagnetic disturbance to enable operation as specified and intended.

Details of the Apparatus:	Tannoy Contractor Loudspeaker Model Number: Di
Associated Technical File:	EMCi6
Applicable Standards:	EN 50081-1 Emission EN 50082-1 Immunity

Signed:	
Position:	Director of Engineering (Professional)
Date:	9th May. 07

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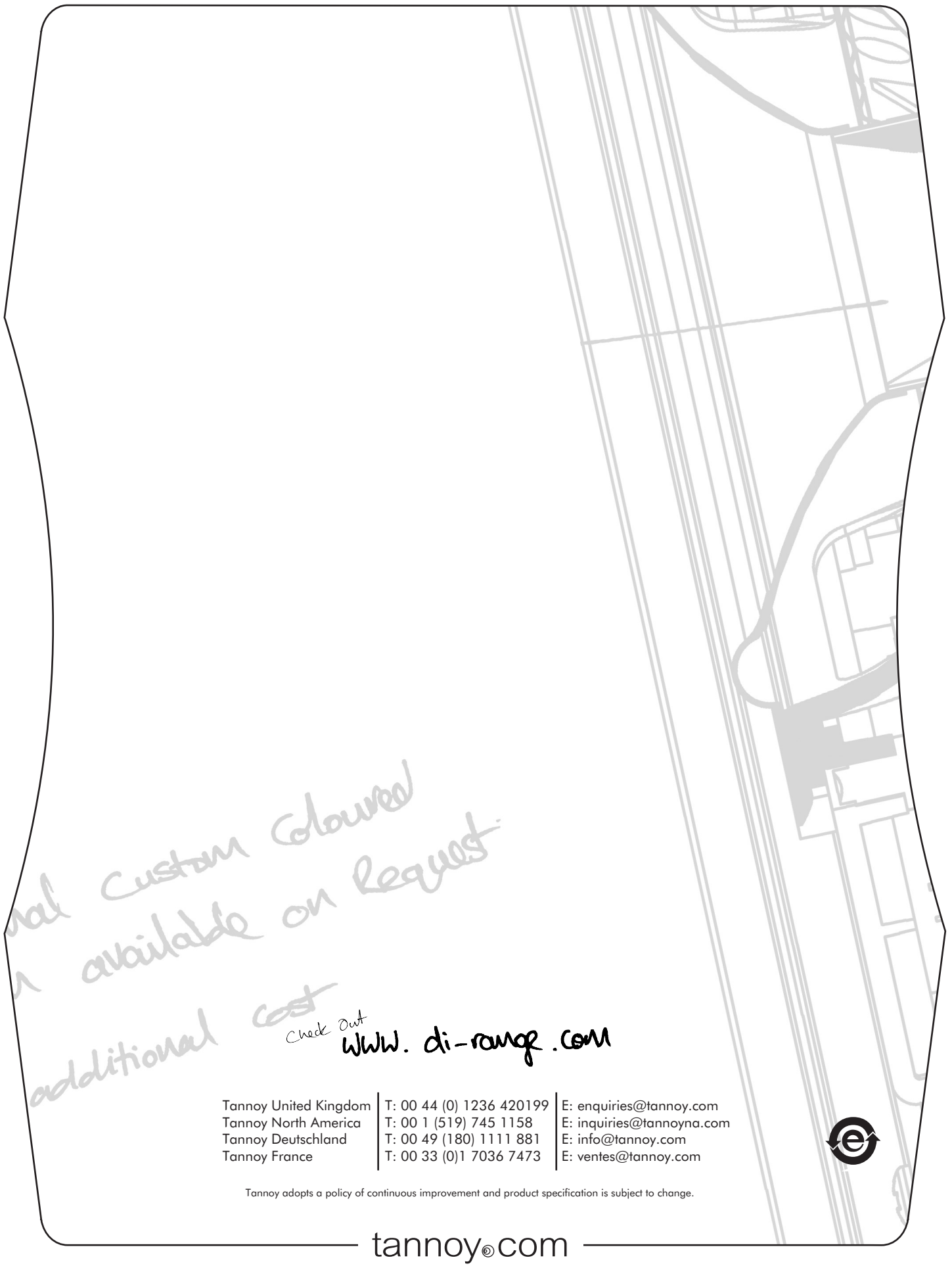

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Tannoy adopts a policy of continuous improvement and product specification is subject to change.

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